



## Curriculum vitae

### ***1- Personal Data***

**Name** : Raid A. Ismail

**Title** : Professor

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**Birth** : 1963/ Baghdad-IRAQ

**Marital Status:** Married/ 3 Children

**Nationality** : Iraqi

**Languages** : English

**Affiliation:** Department of Applied Science -University of Technology –  
Baghdad –Iraq

**e-mail:** [raidismail@yahoo.com](mailto:raidismail@yahoo.com)

### ***2- Education***

1. **Ph.D** degree in Applied Physics from University of Technology-  
Baghdad 1996, Thesis Topic: **Laser-Induced Diffusion and Defects in  
Germanium.**
2. **M.Sc** in Laser Physics from University of Technology-Baghdad in  
1992, Thesis Topic: **Welding of metals by laser.**

3. **B.Sc in Physics from Al-Mustansiriyah University/ Baghdad-Iraq in 1986.**

### **3- Qualification Summery**

**Research interests are laser-material processing, fast laser detectors, heterojunction optoelectronic devices, growth of thin film, rapid thermal annealing, rapid thermal oxidation, pulsed laser deposition of TCO's materials, spray pyrolysis deposition, and solar cells. Renewable energy, laser ablation of nanoparticles, nanostructured materials , and porous photodetector based silicon**

### **4- publications**

- **128 papers were published in refereed scientific local and international journals.**
- **Author of book entitled laser safety guide in 2008.**
- **Author of two semiconductor experiment textbook.**
- **Author of optoelectronic experiments textbook**
- **Author of Laser communications book 2013**

### **5-Supervision and achievements**

- Supervisor of 18 Ph.D Theses.**
- Supervisor of 35 M.Sc Theses.**

### **Fellowship**

**Visiting Scholar in University of Michigan-MSE department (ISFP , CRDF ,2011)**

### **Membership**

- 1- Optical Society of America (OSA)**
- 2- Society Applied Spectroscopy (SAS)**
- 3- Optical Society of Korea (OSK)**
- 4- American Nano Society (ANS)**

### **Patents**

**Two Iraqi patents are awarded in 1999 and 2012 in photodetectors**

### **Computer skills**

**Microsoft Word and Microsoft Excel**

### **Editorial Experience**

**-Editorial Board member of Iraqi Journal of Applied Physics**

### **Reviewer**

**Reviewer of many journals that have high Impact Factor**